

ABSTRACT

In a cardiac pacemaker arrangement comprising an electrode arranged floatingly in the atrium, a circuit for perceiving atrial signals, and a circuit for stimulating the atrial myocardium by means of the electrode, the invention proposes that in addition there is provided a wall-located electrode, and stimulation is effected by means of the wall-located electrode if the circuit, upon perceiving atrial signals, does not detect high-frequency irregularities - such as auricular fibrillation or atrial tachycardias - - as on the basis of inadmissibly high signal frequencies -, and stimulation is effected by means of the floating electrode if the circuit, upon perceiving atrial signals, detects irregularities of that kind. This permits early detection and termination of atrial tachycardias and auricular fibrillation.